

FORSYTH COUNTY COURSE SYLLABUS 2012-2013

COURSE TITLE:	Honors Chemistry	E-MAIL:	acolavito@forsyth.k12.ga.us
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ROOM:	494		

Course Description: The Chemistry curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in chemistry. This curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry. Other topics specific to preparing students for the rigors of an Advanced Placement course will be integrated throughout the course. The rigor and instructional techniques will model the Advanced Placement course requirements as much as possible.

Standards: Course standards can be found at www.georgiastandards.org and on my class webpage.

Learning Resources/Textbook(s): Glencoe Chemistry: Matter and Change **Replacement Cost:** \$ 71.97
With the emergence of technology as a tool for learning, South Forsyth High School will be utilizing various resources to assist with instruction, including ANGEL, online textbooks, and interactive websites. In addition to these web based instructional tools, this course will also have a classroom set of textbooks. Should you feel that your child would benefit from having a textbook at home in addition to the classroom textbook, please contact your child's teacher. The textbook can be found online at www.glencoe.com.

Required Assignments: This course consists of thirteen units. Within each unit students will be expected to complete assigned homework, quizzes, labs, and unit tests. A unit test will be given at the completion of each unit. Notebooks will also be collected at the end of each unit. Test dates will be announced and posted several days in advance. Laboratory reports, homework, and homework quizzes are daily grades. Depending on the nature of assignment projects, they will either be a formative or summative grade.

Unit One – Scientific Measurement and Calculations (Ch. 1, 2)
Unit Two – Matter and Energy (Ch. 3)
Unit Three – Atomic Structure (Ch. 4, 24)
Unit Four – Electron Configuration and Periodicity (Ch. 5, 6)
Unit Five – Nomenclature and Bonding (Ch. 7, 8)
Unit Six – Chemical Reactions (Ch. 9, 19)
Unit Seven – Mole and Composition Calculations (Ch. 10)

Unit Eight – Stoichiometry (Ch. 11)
Unit Nine – Solutions (Ch. 14)
Unit Ten –Thermochemistry (Ch. 12, 15)
Unit Eleven – Gas Laws (Ch. 13)
Unit Twelve – Acids and Bases (Ch. 18)
Unit Thirteen – Equilibrium (Ch. 17)

Availability for Extra Help: I offer morning help sessions at 7:45am Monday through Wednesday. You may also schedule a visit during Instructional Focus if extra help is needed. If these help session times are not convenient for your schedule, please speak to me about an alternative time and date.

Makeup Work: All missed work and assessments are the responsibility of the student when they are absent from school. A student who is absent on the class day before a regularly scheduled assessment will be responsible for completing the assignment on the regularly scheduled day and time. Students who have been absent more than two consecutive days (including the assessment day) will be given five (5) school days to make up the assessment and/or other assignments. This does not include major projects, research papers, etc., where the deadline has been posted in advance. The teacher has the discretion to grant a longer period of time to make up work if there are extenuating circumstances.

Late Policy: Chemistry content is cumulative and falling behind will be detrimental to your success in this class. Late work will be accepted for 2 days only past the due date. One day late will result in a grade no higher than 70% and two days late will result in a grade no higher than 50%. **Late work will not be accepted after two days.**

Non-EOCT Course Grading Calculation:

Course Average= 50% (First semester) + 50% (Second semester)
 1^{ST} & 2^{ND} Semester Course Work = 75% Summative + 25% Formative

Grading Policy:

A = 90 – 100 B = 80-89 C = 70-79 Failing = Below 70

Work Habits are behaviors that have the potential to increase academic achievement, promote lifelong learning, and foster personal accountability.

Middle and High School Work Habit Categories and Scoring

1: Does not meet 2: Successful 3: Exceeds

Responsibility (RE)

The student adapts to classroom practices.

1. Requires frequent redirection; strays off-task; disrupts learning environment; fails to follow class procedures.
2. **Is a self-starter; remains on-task; asks questions for clarifications when needed; applies strategies for meeting learning goals; follows class procedures.**
3. Displays independent initiative; maximizes opportunities; solves problems.

Participation (PA)

The student pursues learning through active involvement.

1. Disengages from the learning environment; responds only to teacher prompts.
2. **Engages in activities and discussions.**
3. Leads others to participate; explores new class ideas and approaches.

Assignment Completion (AC)

The student completes work by the designated time/date and according to directions.

1. Fails to complete assignments or submit work; struggles to follow directions.
2. **Produces completed work on a consistent basis by the designated time/date; follows directions.**
3. Demonstrates new applications and examples of standard; exceeds assignment expectations; extends personal learning.

Interpersonal Skills (IS)

The student interacts with others to create a positive learning environment.

1. Lacks flexibility when working with peers; isolates self.
2. **Works well with peers; listens and speaks respectfully; questions ideas rather than the person.**
3. Adjusts to a variety of classroom roles; mediates; influences others to learn.

Formative Unit Grades: Homework will be assigned regularly for mastery of content, and may include lab analysis and conclusions, WebAssign, reading, worksheets, and problems from the book. At the end of each unit, students will be given a notebook assessment points checklist, including in-class and homework assignments from the unit. The notebooks will be due the day of the unit test. Due dates for labs will be announced and will count as a formative grade. Labs for each unit will be combined for one lab formative grade per unit.

Quizzes may be announced or unannounced and will be used during the unit to assess learning. Quizzes will be formative grades.

You can expect approximately 3 formative grades per unit and approximately one summative grade per unit.

WebAssign - \$10.50 fee due by Friday, August 24th (purchase on mypaymentsplus.com)

In an effort to prepare you for similar college format, WebAssign will be the primary method of homework delivery, timed quizzes and pre-tests. The WebAssign will either be given at the start of each unit or topic domain. Additional homework can be given at any time, in order to master a subject. The web address is www.webassign.net.

The purpose of WebAssign as an instructional aid:

- Students submit their answers and receive feedback in real time.
- Students are given multiple submissions to work on mastery of material before the test.
- Students do not need to wait for teachers to grade the assignment, in order to know what they need to work on for the unit. Students immediately know what they need to work on to master the content.
- Students know when they need to come in for help prior to an assessment.
- Most colleges and universities use WebAssign or a similar format service to deliver homework and tests.
- Increased opportunity to practice skills at the students own pace, with immediate feedback.
- Learning for mastery rather than completion grades.